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L2: Entry 1 of 1

File: JPAB

Feb 25, 1992

PUB-NO: JP404057234A

DOCUMENT-IDENTIFIER: JP 04057234 A

TITLE: METHOD AND DEVICE FOR ALIGNING OPTICAL DISK SUBSTRATES

PUBN-DATE: February 25, 1992

INVENTOR-INFORMATION:

NAME

YOSHIKAWA, TOSHIAKI

COUNTRY

ASSIGNEE-INFORMATION:

NAME

JAPAN STEEL WORKS LTD:THE

COUNTRY

APPL-NO: JP02163457

APPL-DATE: June 21, 1990

US-CL-CURRENT: 369/272

INT-CL (IPC): G11B 7/26

ABSTRACT:

PURPOSE: To align two optical disk substrates with high accuracy by dividing a dividing shaft member, which is inserted to the central hole of the substrate, into divided shaft members divided in a radial direction and making these members relatively movable in the radial direction each other.

CONSTITUTION: A substrate 2 directing the adhesive agent face downward is fitted to an upper jig 6, and a substrate 4 directing the adhesive agent face upward is fitted to a lower jig 8. When the upper jig 6 is pushed up while moving a movable board 72 downward, a bottom part 6c of a hole 6a gets contact with shaft parts 18c and 20c and divided shaft members 18 and 20 are pushed downward. On the other hand, they are guided to a slope 24a of a guiding member 24 and moved in a direction to be separated each other against the inner force of a holding spring 32. When the diameter of a circumscribed circle A is coincident with a diameter for the hole 12a of a center hub 12 and a hole 14a of a center hub 14, both the shaft parts 18c and 20c are stopped in contact with the inner diameter part of the both holes 12a and 14a. Thus, two substrates can be aligned with high accuracy.

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AS1 - [Untitled-1]

File View Edit Tools Window Help

Drafts
Pending
Active

- L1: (88898) (optical adjl disc).ab.ti.
- L2: (3624) (storage adjl disc).ab.ti.
- L3: (92239) 11 or 12
- L4: (2328) partially adjl cure
- L5: (3) 13 and 14
- L6: (23) provisionally adjl bond
- L7: (92) provisionally adjl bonded
- L8: (45) provisionally adjl bonding
- L9: (127) 16 or 17 or 18
- L10: (5) 13 and 19
- L11: (7960) partially adjl cured
- L12: (1884) partially adjl curing
- L13: (8676) 111 or 112
- L14: (13) 13 and 113
- L15: (168) warping adjl prevents
- L16: (6) 13 and 115
- L17: (6185) warp with prevents
- L18: (6729) warping with prevents
- L19: (12281) 117 or 118
- L20: (128) 13 and 119

Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

USPAT, USPPUB, EPO, JPO, DERVENT, BM, IDS

Default operator: OR

09/887083

AS1 term AS1 term image Text HTML

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Ready

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7-27-03

Internet Explorer - [Untitled1-1]

File View Edit Tools Window Help

Drafts
Pending
Active
L1: (88898) (optical adjl disc).ab,ti.
L2: (66047) centering.ab,ti.
L3: (64234) aligning.ab,ti.
L4: (128892) 12 or 13
L5: (731) 11 and 14
L6: (1222776) hole.ab,ti.
L7: (193) 15 and 16
L8: (490465) pin.ab,ti.
L9: (35) 15 and 18
Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

DB: USPAT:USPGPUB:EPO:PG:DERWENT;BM_TDS
Default operator: OR

09/887083

ASIS form ASIS form Images Text HTML

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Ready

HTML

NUM

7-27-03

LAST - [Untitled1-1]

File View Edit Tools Window Help

Drafts
Pending
Active

L1: (88898) (optical adjl disc).ab.ti.
L2: (481427) adhesive.ab.ti.
L3: (336926) recover\$.ab.ti.
L4: (121590) recycl\$.ab.ti.
L5: (433489) 13 or 14
L6: (6861) 12 and 15
L7: (11) 11 and 16
L8: (2900) adhesive with recover\$
L9: (2533) adhesive with recycl\$
L10: (5274) 18 or 19
L11: (3624) (storage adjl disc).ab.ti.
L12: (92239) 11 or 111
L13: (15) 110 and 112
L14: (476) 110 and optical
L15: (621848) filter.ab.ti.
L16: (172) 16 and 115
L17: (34) 18 with filter
L18: (32) 19 with filter
L19: (64) 117 or 118
L20: (86007) uv.ab.ti.
L21: (655) (light adjl setting).ab.ti.
L22: (86601) 120 or 121
L23: (677149) (filter or filtered).ab.ti.
L24: (5911) 122 and 123
L25: (3498) (filter with uv).ab.ti.
L26: (8684) defoam\$.ab.ti.
L27: (5) 124 and 126
L28: (2884) adhesive with temperature with viscosity
L29: (28) 112 and 128
L30: (458415) tank.ab.ti.
L31: (9) 121 and 130
L32: (16301) unused.ab.ti.
L33: (139) 112 and 132
L34: (373) unused with adhesive
L35: (4) 112 and 134
L36: (727) defoam\$ with adhesive
L37: (13) 112 and 136

Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

USPAT, USPGPUB, EPO, JPO, DERVENT, BM_106

Default operator DR

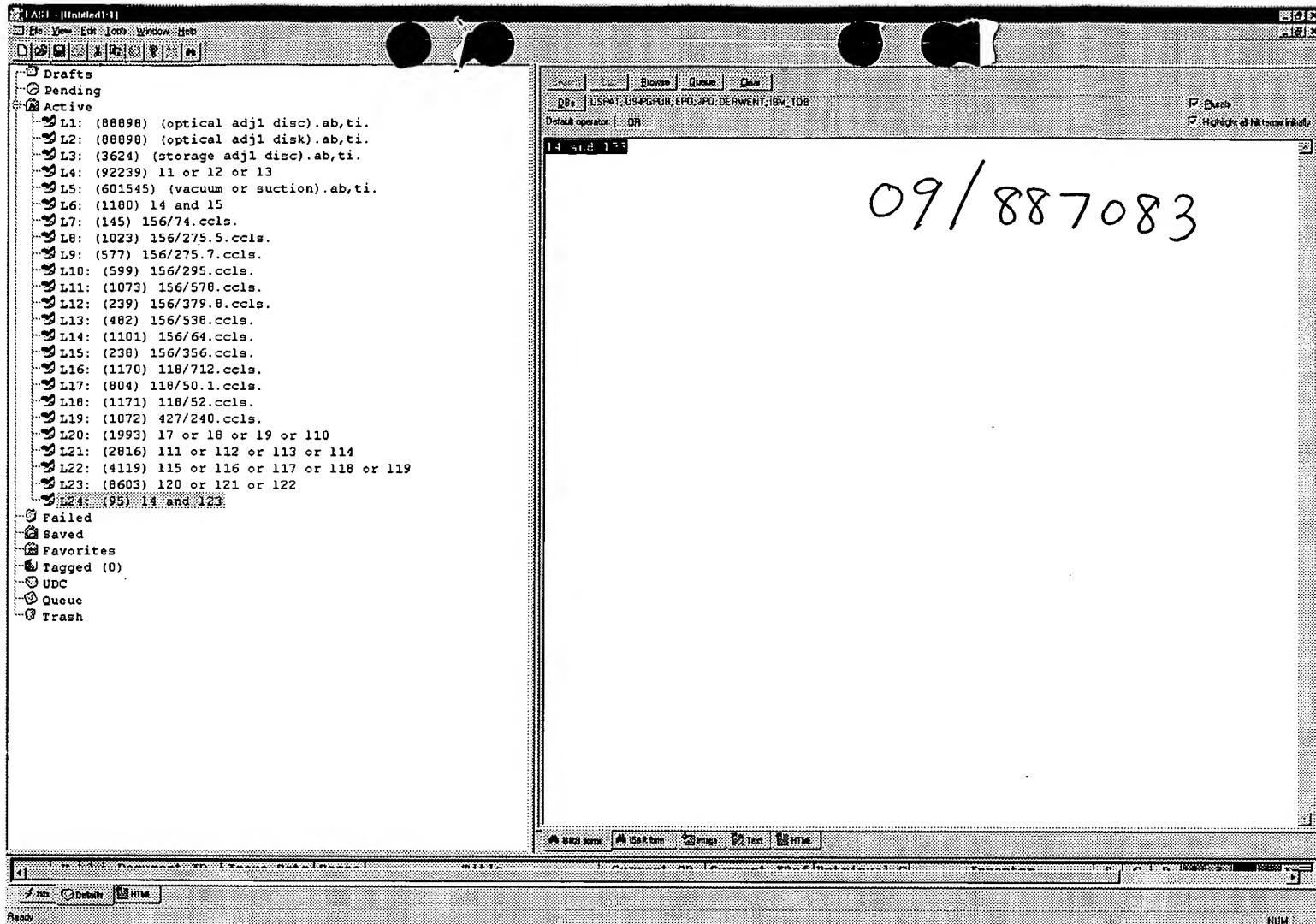
117 and 116

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SRG form SAR form Images Text HTML

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7-26-03